

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A method for regulating the energy flow in an energy network, said network comprising at least a first area of interconnected producers and consumers of energy and a second area of interconnected producers and consumers of energy~~comprising producers and consumers~~, in which the energy network comprises at least one network connection that limits the transportation capacity of the energy network between said first area and said second area, ~~of the method comprising:~~

receiving data indicative of intended energy production by the producers and the intended energy consumption by the consumers for each of the first and second areas;

~~fixing~~determining isolated energy prices (IEP4, IEP5) in the first area and in the second area based on supply and demand in each respective area~~in proportion to the intended energy production by the producers and the intended energy consumption by the consumers;~~

determining available transportation capacity of the energy network between said first area and said second area;

~~adjusting said isolated~~determining an effect on energy prices (IEP4, IEP5) in said first area and in said second area on the basis of the isolated energy prices and a computer simulated transportation of energy over the network connection and on the basis of the available transportation capacity ; and

~~outputting~~accessing energy flow~~the effect on energy prices in said data for the first area and the second area for use by at least one of the producers, and/or the consumers and/or an operator of the network connection.~~

2. (Currently Amended) The method according to claim 1, wherein the energy flow data comprise a common adjusted energy price (CEP) for the first area and the second area ~~or the adjusted energy prices (AEP4, AEP5) for the first area and the second area.~~

3. (Currently Amended) The method according to claim 1, wherein the energy flow data comprise data on ~~the actual~~ transportation of energy over the network connection.

4. (Currently Amended) The method according to claim 1 and further comprising deciding on the basis of the energy flow data whether bids with regard to the at least one of intended energy production

and/or the intended energy demand consumption will be accepted.

5. (Currently Amended) The method according to claim 1 and further comprising ~~making available transportation capacity at least partially, wherein~~ outputting data indicative of rights to transportation capacity are made available by to at least one of the producers and/or the consumers.

6. (Original) The method according to claim 5, wherein the rights to transportation capacity are conditionally made available.

7. (Currently Amended) The method according to claim 6, wherein said condition relates to the difference between the isolated energy prices (~~IEP4, IEP5~~) in the areas.

8. (Original) The method according to claim 5, wherein the rights to transportation capacity are made available by making an inter-area bid, whether or not in combination with a bid to sell in one area and a bid to buy in the other area.

9. (Original) The method according to claim 5, wherein the rights to transportation capacity are made available for implicit auctioning by a third party.

10. (Cancelled)

11. (Currently Amended) A system for the electronic auctioning ~~over an auctioning network of energy adapted for~~ in an energy network, said network comprising at least a first area of interconnected producers and consumers of energy and a second area of interconnected producers and consumers of energy ~~comprising producers and consumers~~, in which the energy network comprises at least one network connection that limits the transportation capacity of the energy network between said first area and said second area, ~~wherein the system comprises~~ comprising a first unit and a second unit adapted for receiving bids relating to the supply of and the demand for energy in said first area and said second area, respectively, the first unit and second unit each adapted for the purpose of obtaining an isolated auctioning price (~~IEP4, IEP5~~) in said first area and said second area in dependence on the supply of and the demand for energy in each respective area, and wherein the system furthermore comprises a combination server adapted for

~~determining adjusted~~ ~~adjusting the isolated energy prices (IEP4, IEP5)~~ in the first area and in the second area on the basis of the isolated energy prices and simulated transportation of energy over the network connection and the available transportation capacity of the energy network between said first area and said second area, and an auctioning network adapted for communicating energy flow data to at least one of the producers and consumers in the areas, wherein the system ~~is also adapted for making energy flow data includes~~ the adjusted energy prices ~~accessible at least to the producers and/or the consumers via the auctioning network~~.

12. (Currently Amended) The system according to claim 11, wherein the ~~auctioning data~~energy flow data comprise a common adjusted energy price (~~CEP~~) for the first area and the second area, ~~or the adjusted energy prices (AEP4, AEP5) for the first area and the second area~~.

13. (Currently Amended) The system according to claim 11, wherein the ~~auctioning data~~energy flow data comprise data on the actual transportation of energy over the network connection.

14. (Currently Amended) The system according to claim 11, wherein the system is adapted for deciding, on the basis of the ~~energy flow data~~energy flow data, whether bids relating to at least one of the intended energy production and/or the intended energy demand will be accepted.

15. (Currently Amended) The system according to claim 11, wherein said first unit and said second unit are adapted for making available rights to transportation capacity by at least one the producers and/or the consumers.

16. (Original) The system according to claim 11, wherein the system is adapted for making an inter-area bid, whether or not in combination with a bid to sell in one area and a bid to buy in the other area.

17. (Cancelled).

18. (Currently Amended) A method for regulating the energy flow in an energy network comprising at least a first area of interconnected producers and consumers of energy and a second area of interconnected producers and consumers of energy~~comprising producers and consumers~~, in which the

energy network comprises a network connection that limits the transportation capacity of the energy network, ~~in a communication network comprising a combination server, which is communicatively linked to servers of the areas for one or more user units of~~associated with the producers and/or the consumers in the first area and the second area, the method comprising, wherein:

~~the servers receive~~receiving one or more data strings by ~~from the servers from the units of~~from the producers and the consumers, which data strings contain data on the intended energy production and the intended energy consumption, respectively;

~~the combination server fixes~~ calculating or receives receiving at the combination server isolated energy prices (IEP4, IEP5) in the first area and the second area in proportion to the intended energy production by the producers and the intended energy consumption by the consumers based on supply and demand in each respective area in each respective area;

~~the combination server adjusts the isolated~~using the combination server to calculate adjusted energy prices (IEP4, IEP5) in the first area and in the second area on the basis of the isolated energy prices and a computer simulated transportation of energy over the network connection and the available transportation capacity of the energy network between said first area and said second area; and

~~the combination server outputs~~ outputting energy flow data over the communications network for the first area and the second area accessible to at least one of the producers, and/or the consumers and/or to an operator of the network connection, or said data are made accessible via said combination server.

19. (Currently Amended) The method according to claim 18, wherein the energy flow data comprise a common adjusted energy price (~~CEP~~) for the first area and the second area or the adjusted energy prices (~~AEP4, AEP5~~) for the first area and the second area.

20. (Currently Amended) The method according to claim 18, wherein the energy flow data comprise data on the actual transportation of energy over the network connection.

21. (Currently Amended) The method according to claim 18 and further comprising deciding on the basis of the energy flow data whether bids with regard to at least one of the intended energy production and/or intended energy consumption will be accepted.

22. (Currently Amended) The method according to claim 18 and further comprising outputting data

~~indicative of making available transportation capacity at least partially, wherein rights to transportation capacity are made available by~~ at least one of the producers and/or the consumers.

23. (Original) The method according to claim 22, wherein the rights to transportation capacity are conditionally made available.

24. (Currently Amended) The method according to claim 23, wherein the condition relates to the difference between the isolated energy prices (IEP4, IEP5) in the first and second area.

25. (Original) The method according to claim 22 and further comprising making available the rights to transportation by making an inter-area bid, whether or not in combination with a bid to sell in one area and to buy in another area.

26. (Original) The method according to claim 22, wherein the rights to transportation capacity are made available for implicit auctioning by a third party.

27. (Cancelled).

28. (New) The method according to claim 1 wherein the energy flow data includes at least one of the adjusted energy prices for the first area and the second area, the adjusted energy prices not being equal to each other.